

Title (en)
SPREADER WITH FLIPPER ARM DRIVE

Title (de)
SPREIZER MIT WENDEARMANTRIEB

Title (fr)
PALONNIER AVEC ENTRAÎNEMENT DE BRAS DE BASCULEMENT

Publication
EP 2326588 B1 20140820 (EN)

Application
EP 09808465 A 20090701

Priority
• SG 2009000239 W 20090701
• SG 2008061947 A 20080819

Abstract (en)
[origin: WO2010021596A1] A flipper assembly for guiding a spreader to engage a container, the flipper assembly comprising a flipper (25) hingedly mounted to the spreader, said flipper (25) moveable between an open and closed position about said mounting; a motor (31) mounted to the spreader distal from said flipper (25); a spacing assembly (40) located between the motor (31) and the hinged mounting of the flipper (25), wherein said spacing assembly (40) is capable of transmitting a torque from the motor (31) to the hinged mounting so as to move the flipper (25) between the closed and open positions.

IPC 8 full level
B66C 1/66 (2006.01); **B66C 1/10** (2006.01)

CPC (source: EP KR US)
B66C 1/101 (2013.01 - EP US); **B66C 1/62** (2013.01 - KR); **B66C 1/66** (2013.01 - KR)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010021596 A1 20100225; AU 2009283282 A1 20100225; CA 2734542 A1 20100225; CN 102137808 A 20110727; CN 102137808 B 20140709; EP 2326588 A1 20110601; EP 2326588 A4 20121114; EP 2326588 B1 20140820; HK 1158606 A1 20120720; JP 2012500171 A 20120105; KR 101699542 B1 20170125; KR 20110054016 A 20110524; MY 160395 A 20170315; SG 159405 A1 20100330; TW 201033108 A 20100916; US 2011140470 A1 20110616; US 8668235 B2 20140311

DOCDB simple family (application)
SG 2009000239 W 20090701; AU 2009283282 A 20090701; CA 2734542 A 20090701; CN 200980132592 A 20090701; EP 09808465 A 20090701; HK 11112920 A 20111129; JP 2011523778 A 20090701; KR 20117006138 A 20090701; MY PI2011000700 A 20090707; SG 2008061947 A 20080819; TW 98125355 A 20090728; US 200913059390 A 20090701